

Adfil®Sinta M1819

Synthetic micro-fiber
Monofilament Fibers

DESCRIPTION

Adfil®Sinta M1819 is a synthetic micro fibre for concrete, manufactured from 100% virgin polypropylene in a monofilament form. Adfil®Sinta M1819 protects concrete from stresses which cause cracking while concrete is most vulnerable during the plastic stage.

Engineered specifically for use in concrete, it is alkali-resistant, non-absorptive and completely non-corrosive. Adfil®Sinta M1819 is not recommended to increase joint spacing or as a substitute for any structural reinforcement.

BENEFITS

- Provides plastic shrinkage and plastic settlement crack control at pre-hardening stage.
- Improves concrete impact and abrasion resistance.
- Slows down bleeding, reduces permeability and avoids spalling when removing the form.
- Increases impact, abrasion and chemical resistance.

APPLICATION

Adfil®Sinta M1819 is recommended for all concrete mixes where crack control caused by plastic shrinkage, plastic settlement, thermal expansion and contraction in concrete is desirable.

INDICATIVE INFORMATION

Product Nature	100% virgin polypropylene
Color	Transparent
Apparent density	0,920
Fiber length	19 mm
Equivalent Diameter	35 µm
Tensile strength	500 MPa
Melting point	170 °C

PACKAGING

- 0.6kg or 0.9kg water soluble bags

METHOD OF USE

The dosage of Adfil®Sinta M1819 is 0.6 - 0.9kg/m³ for general concrete applications. The optimum dosage can be established after trial tests, considering local conditions, materials and specification requirements.

Adfil®Sinta M1819 can be added directly into the truck mixer, followed by rapid mixing for 5 minutes. When adding fibres into a cementitious product, careful attention must be taken in the batching and mixing procedure to achieve optimum results. For further details on the recommended mixing instructions, please consult a member from Chryso team.

PRECAUTIONS

- Adfil®Sinta M1819 fibres are not recommended as a replacement to structural reinforcement.
- Fibres must be stored on a clean surface in dry conditions, undercover and away from the possibility of damage.

NORMS & REGULATIONS

- Designed to conform with ASTM C 1116 and BS EN14889 la.

SAFETY

Adfil®Sinta M1819 is not considered dangerous to handle. Prior to any use, please read carefully the Safety Data Sheet (SDS).